To: ORD-Exec-Council-Directors[Execcouncildirectors@epa.gov]; ORD-Mgmt-Council[ORDMgmtCouncil@epa.gov]
Cc: ORD-IOAA-Front Office Support[ORDIOAASUPPORT@epa.gov]; D'Amico, Louis[DAmico.Louis@epa.gov]
From: Bahadori, Tina
Sent: Wed 9/20/2017 10:17:07 AM
Subject: NCEA Weekly Report for September 20th, 2017
NCEA 30 Day Outlook 9-20-2017.docx

National Center for Environmental Assessment
Weekly Report for September 20th, 2017

Notables listed below and 30-day Outlook attached.

Hot Items:

IRIS Assessment Plans Available for Public Comment. On September 18th, the IRIS program announced the availability of three IRIS Assessment Plans (IAP) for public comment. The three assessment plans are for nitrate/nitrite, chloroform, and ethylbenzene. The public comment period will last for 30 days and will close on October 18th, 2017.

Science Advisory Board (SAB) Meeting. On September 27 – 28, a Science Advisory Board (SAB) Chemical Assessment Advisory Committee (CAAC) peer consultation meeting will be held in Arlington, VA. During the meeting a discussion on the implementation of systematic review within the IRIS program will take place and the IRIS program will present draft assessment plans for chloroform, nitrate/nitrite, and ethylbenzene.

STATES SCIENCE

NC DEQ Science Advisory Board. John Vandenberg has been selected to serve on the Secretaries' Science Advisory Board for the North Carolina Department of Environmental Quality, and the North Carolina Department of Health and Human Services. In this role, John will be assisting these two departments to achieve and maintain clean air, water, and land, as these are critical to the quality of life for all North Carolinians. The standing science advisory

board will evaluate the toxicological effects of contaminants and advise the Environmental Management Commission as to the necessary level of control of those contaminants for protection of human health and the environment.

WITHIN EPA

Two PPRTV's Delivered. The Provisional Peer-Reviewed Toxicity Value (PPRTV) assessment team cleared and delivered two PPRTV's to the Office of Land and Emergency Management. The PPRTV assessments were for n-Heptanal and Difluoropropane.

Region 10 Support for Chromium Exposures. Michael Stewart is working with Region 10 and will be reviewing updated modeled chromium concentrations around a glass facility in Seattle, WA. Region 10 noted the possibility of relatively high chromium concentrations based on emission comparisons to similar facilities that also use chromium in their glass coloring process.

Inorganic Arsenic levels in Drinking Water in Michigan. Glenn Rice is collaborating with National Exposure Research Laboratory scientists to characterize inorganic arsenic levels in drinking waters obtained from private wells and public utilities in the State of Michigan.

Office of Policy (OP) Support. On September 20th, Tom Luben and Jason Sacks will meet with Amy Lamson and her colleagues in OP to provide scientific and technical support on recent epidemiologic evidence for associations between long-term PM2.5 exposure and mortality. Specifically, they will discuss the results of the recent Medicare study published in the New England Journal of Medicine (Di et al. 2017), and provide context for those results within the larger body of scientific evidence.

Partner Discussion of At-Risk Populations. On September 21st, Jennifer Nichols and Tom Luben will be leading a discussion on consideration of at-risk populations in the Integrated Science Assessments (ISAs) at the next Air, Climate and Energy (ACE) Partner and Alliance Coordination Team (PACT) meeting for the Protecting Public Health and Environmental Wellbeing (PEP) Research Topic.

Risk Assessment Forum Document. Michael Stewart is supporting Office of Air and Radiation in their review of the Risk Assessment Forum document -- State of the Science Review: Variability Estimates in Human Health Dose-Response Characterization on which he is an author. The document is currently in Final Agency Review and will likely be released for external peer review in the near future.

National Climate Assessment Support. Jason Sacks and Tom Luben provided scientific and technical support to Neal Fann (OAR/OAQPS) and Chris Nolte (ORD/NERL) on the epidemiologic evidence indicating potential ozone health impacts due to future changes in climate, specifically related to modification of the ozone-health relationship by temperature and air conditioning prevalence, as part of the air quality chapter of the National Climate Assessment.

PUBLICATIONS AND PRODUCT UPDATES

"Children's Lead Exposure: A Multimedia Modeling Analysis to Guide Public Health Decision-Making". Jim Brown co-authored "Children's Lead Exposure: A Multimedia Modeling Analysis to Guide Public Health Decision-Making", available online this week in Environmental Health Perspectives. The objective of the paper was to couple exposure and dose modeling to determine a relationship between drinking water lead levels and blood lead levels in children. This work falls under HHRA Topic 2, Task 3.3 (2.213). DOI: 10.1289/EHP1605. Find the article at https://ehp.niehs.nih.gov/ehp1605/

"Standardization of the collection of exhaled breath condensate and exhaled breath aerosol using a feedback regulated sampling device." Michelle Angrish coauthored a recently published article, "Standardization of the collection of exhaled breath condensate and exhaled breath aerosol using a feedback regulated sampling device." The article describes a method to standardize the collection of breath condensate from humans. This work falls under HHRA Topic 2, Task 3.3 (2.213). DOI: 10.1088/1752-7163/aa8bbc. Find the article at https://www.ncbi.nlm.nih.gov/pubmed/28894051

"Maternal exposure to nitrogen dioxide, intake of methyl nutrients and congenital heart defects in offspring." Tom Luben and Jen Richmond-Bryant coauthored a recently published article, "Maternal exposure to nitrogen dioxide, intake of methyl nutrients and congenital heart defects in offspring," about how methyl nutrient intake in mothers may interact with ambient nitrogen dioxide exposure to influence associations with congenital heart defects among offspring. The article was highlighted as an "Editor's Choice" for the current issue of the American Journal of Epidemiology. This work falls under HHRA Topic 2, Task 3.3 (2.213). DOI: 10.1093/aje/kwx139. The article can be found at https://doi.org/10.1093/aje/kwx139